

In The Claims:

1.-7. (Canceled)

8. (Amended) ~~The apparatus of claim 1, wherein said body comprises~~ An equilibrium dialysis apparatus comprising a body, comprising a top surface having a first plane and a bottom surface having a second plane, in which body is contained ninety-six wells arranged in an 8x12 array, each of which wells is separated into a first side and a second side, by means for vertically separating the well, such that both of said sides of each well are fully open and accessible from the top surface of the body and closed on said bottom surface, wherein said body of the device comprises the material polytetrafluoroethylene, and wherein said means for vertically separating the well include dialysis membranes.

9. (Original) The apparatus of claim 8, wherein said array comprises spacing and dimensions compatible with standard 96-well format laboratory supplies and instruments.

10.-12. (Canceled)

13. (Amended) ~~The apparatus of claim 11~~ An equilibrium dialysis apparatus comprising a body, comprising a top surface having a first plane and a bottom surface having a second plane, in which body is contained 96 wells, each of which wells is separated into a first side and a second side separated by said planar gap, by means for vertically separating the well, such that both of said sides of each well are fully open and accessible from the top surface of the body and closed on said bottom surface, wherein said body of the device comprises the material polytetrafluoroethylene, wherein said means for vertically separating the well include dialysis membranes, wherein said body comprises nine bars containing 96 wells arranged in an 8x12 array of such spacing and dimensions as to be compatible with standard 96-well format laboratory supplies and instruments, with adjacent bars separated by a planar gap perpendicular

to said first plane and in which gap said dialysis membrane is inserted, and means for holding said bars together.

14. (Canceled)

15. (Amended) An equilibrium dialysis apparatus comprising:

a body, comprising a top surface having a first plane and a bottom surface having a second plane, in which body is contained at least one testing well, each of which well is separated into a first side and a second side, by means for vertically separating the well, such that both of said sides of each well are fully open and accessible from the top surface of the body and closed on said bottom surface, wherein said body of the device comprises the material polytetrafluoroethylene, and wherein said means for vertically separating the well include dialysis membranes,

further wherein said body comprises at least two bars, with adjacent bars separated by a planar gap perpendicular to said first plane and in which gap said dialysis membrane is inserted, and ~~The apparatus of claim 10 wherein said~~ means for holding said bars together ~~comprise~~ comprising at least one pin extending through the bars and on which all such bars can move relative to one another on a horizontal plane.

16. (Amended) An equilibrium dialysis apparatus comprising:

a body, comprising a top surface having a first plane and a bottom surface having a second plane, in which body is contained at least one testing well, each of which well is separated into a first side and a second side, by means for vertically separating the well, such that both of said sides of each well are fully open and accessible from the top surface of the body and closed on said bottom surface, wherein said body of the device comprises the material polytetrafluoroethylene, and wherein said means for vertically separating the well include dialysis membranes,

further wherein said body comprises at least two bars, with adjacent bars separated by a planar gap perpendicular to said first plane and in which gap said dialysis

membrane is inserted, and ~~The apparatus of claim 10 wherein said~~ means for holding said bars together ~~comprise~~ comprising at least one rail on which all such bars can move relative to one another on a horizontal plane.

17. (Previously Presented) The apparatus of claim 15, wherein said means for holding said bars together further comprise two alignment pins, of a length sufficient for all bars to rest on such pins, each of which is inserted through a hole formed through both sides of each bar added.

18.-38. (Canceled)

39. (Previously Presented) An equilibrium dialysis apparatus comprising:

a body, comprising a top surface having a first plane and a bottom surface having a second plane, in which body is contained at least one testing well, each of which well is separated into a first side and a second side, by means for vertically separating the well, such that both of said sides of each well are fully open and accessible from the top surface of the body and closed on said bottom surface, wherein said body comprises ninety-six wells arranged in an 8x12 array.